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~~Sub 1.~~  
a digital

retrieval system for receiving a signal, wherein the system comprises at least one telecommunication channel, at least one data processing unit, and a system comprising:  
a receiver adapted to receive the signal;  
a unit adapted to separate the signal into a plurality of components;  
a storage device in communication with the unit;  
a unit adapted to receive the components from the storage device;  
a unit further adapted to receive the components from the unit adapted to receive the components from the storage device.

a portable data storage device in communication with the digital receiver adapted to receive the data from the digital receiver and further adapted to store the data.

1                    2. The data retrieval system of claim 1 wherein  
2 the digital receiver comprises:

3                    a tuner that is adapted to tune to the digital  
4 broadcast signal;

5                    a demodulator coupled to the tuner and adapted to  
6 demodulate the digital broadcast signal;

7                    a controller arranged to acquire the data; and

8                    a transceiver coupled to the controller, wherein  
9 the controller causes the data to be supplied to the  
10 transceiver for transmission to the portable data storage  
11 device.

1                   3. The data retrieval system of claim 2 wherein  
2 the transceiver comprises a first transceiver, and further  
3 wherein the portable data storage device comprises:

4                   a second transceiver that receives the data  
5 transmitted by the first transceiver;

6                   a memory coupled to the second transceiver that  
7 stores the data received by the second transceiver;

8                   a processor coupled to the memory, wherein the  
9 processor causes the data received by the second transceiver  
10 to be stored in the memory, wherein the processor is adapted  
11 to generate a data request signal for transmission by the  
12 second transceiver to the first transceiver, and wherein the  
13 data request signal includes a request for the data; and

14                  an input device coupled to the processor that  
15 accepts input by a user, wherein the input causes the  
16 processor to generate the data request signal.

1 4. The data retrieval system of claim 3 wherein  
2 the first transceiver receives the data request signal from  
3 the second transceiver and transfers the data request signal  
4 to the controller and further wherein the controller  
5 responds to the data request signal by causing the data to  
6 be transmitted to the portable data storage device.

1 5. The data retrieval system of claim 3 wherein  
2 the portable data storage device further comprises a sound  
3 generating circuit coupled to the processor and further  
4 wherein the processor causes the sound generating circuit to  
5 generate a tone that signals when the data has been stored.

1 6. The data retrieval system of claim 3 wherein  
2 the portable data storage device further comprises a data  
3 communication port that transfers the data from the portable  
4 data storage device to a personal computer.

~~8.~~ The data retrieval system of claim 6 wherein the data communication port comprises a serial data port and further wherein the data is transferred via a data transmission cable to a serial data port associated with the personal computer.

8. The data retrieval system of claim 4 wherein the data request signal generated by the processor identifies a selected portion of the data and further wherein the controller responds to the data request signal by causing the selected portion of the data to be transmitted by the first transceiver to the portable data storage device.

~~8.~~ 9. The data retrieval system of claim 3 wherein the first and second transceivers are infra-red signal transceivers.

~~9.~~ 10. The data retrieval system of claim 3 wherein the first and second transceivers are radio frequency signal transceivers.

<sup>10</sup>  
~~11~~. The data retrieval system of claim 3 wherein  
the first transceiver comprises a first serial data port,  
wherein the second transceiver comprises a second serial  
data port, and wherein the first and second serial data  
ports are connected by a data transmission cable.

<sup>11</sup>  
~~12~~. The data retrieval system of claim 3 wherein  
the data comprises internet data.

<sup>12</sup>  
~~13~~. The data retrieval system of claim <sup>11</sup>~~12~~ wherein  
the internet data includes website URL data.

<sup>13</sup>  
~~14~~. The data retrieval system of claim <sup>12</sup>~~13~~ wherein  
the internet data further includes information that  
identifies the website URL data as having been retrieved  
from the digital broadcast signal.

<sup>14</sup>  
~~15~~. The data retrieval system of claim 3 wherein  
the digital receiver further comprises a digital television,  
and further wherein the television programming packet  
transmitted with the data packet is related to the data  
contained in the data packet.

15  
~~16~~. The data retrieval system of claim ~~15~~<sup>14</sup> wherein  
the television programming packet comprises a television  
commercial for advertising a product and wherein the data  
comprises information related to the product.

14  
~~17~~. The data retrieval system of claim ~~16~~<sup>15</sup> wherein  
the information related to the product comprises a URL for  
locating a website, and wherein the website includes further  
information related to the product.

17  
~~18~~. The data retrieval system of claim ~~17~~<sup>16</sup> wherein  
the further information related to the product comprises a  
list of retailers that sell the product.

18  
~~19~~. The data retrieval system of claim ~~18~~<sup>16</sup> wherein  
the further information related to the product comprises  
pricing information for the product.

19  
~~20~~. The data retrieval system of claim ~~19~~<sup>16</sup> wherein  
the further information related to the product comprises a  
coupon for the product.

1                   <sup>20</sup>  
21. The data retrieval system of claim <sup>15</sup>~~16~~ wherein  
2 the data further comprises coupon data for the product.

1                   ~~Sub 22.~~ The data retrieval system of claim 21 wherein  
2 the portable data storage device further comprises a data  
3 communication port that is adapted to transfer the data from  
4 the portable data storage device to a device that is adapted  
5 to store information on a smart card so that the coupon data  
6 may be transferred by the data communication port to the  
7 device for storage on the smart card.

1                   ~~23.~~ The data retrieval system of claim 1 wherein  
2 the portable data storage device comprises a personal  
3 digital assistant.

1                   ~~Sub 24.~~ The data retrieval system of claim 23 wherein  
2 the portable data storage device further comprises a  
3 display.

1                   25. The data retrieval system of claim 23 wherein  
2 the portable data storage device is further adapted to  
3 receive and process telephone signals.



1                    ~~26.~~ A personal digital assistant comprising:  
2                    an input device and an output device;  
3                    a memory; and  
4                    a controller, wherein the controller is arranged  
5 to read data at the input device, wherein the data at the  
6 input device is acquired from a digital receiver that  
7 receives the data in a digital broadcast signal, and further  
8 wherein the controller is arranged to cause the data to be  
9 stored in the memory and to cause the data to be transferred  
10 from the memory to the output device.

1                    ~~25~~  
~~27.~~ The personal digital assistant of claim ~~26~~ <sup>24</sup>  
2 wherein the input and output devices are transceivers.

1                    ~~26~~  
~~28.~~ The personal digital assistant of claim ~~26~~ <sup>24</sup>  
2 wherein the input and output devices are data ports.

1                    ~~27~~  
~~29.~~ The personal digital assistant of claim ~~26~~ <sup>24</sup>  
2 wherein one of the input and output devices is a transceiver  
3 and the other of the input and output devices is a data  
4 port.

1                    <sup>28</sup>  
                  ~~30~~. The personal digital assistant of claim ~~26~~ <sup>24</sup>  
2                    wherein the digital receiver comprises a digital television.

1                    <sup>29</sup>  
                  ~~31~~. The personal digital assistant of claim ~~26~~ <sup>24</sup>  
2                    wherein the output device is adapted to transfer the data to  
3                    a personal computer.

Sub  
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1 A method of retrieving data transmitted in a  
2 digital broadcast signal comprising the following steps:

3 a) acquiring the data from a digital receiver that  
4 receives the digital broadcast signal;

5 b) storing the data in a memory that is separate  
6 from the digital receiver; and

7 c) transferring the data from the memory to a  
8 computer that is separate from the digital receiver.

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1 33. The method of claim 32 wherein the step of  
2 acquiring the data from a digital receiver comprises the  
3 step of acquiring the data from a digital television.

32  
34. The method of claim ~~32~~<sup>30</sup> wherein the step of  
acquiring the data from the digital receiver that receives  
the digital broadcast signal comprises the step of receiving  
the data at an input device from the digital receiver that  
receives the digital broadcast signal; and wherein the step  
of transferring the data from the memory to the computer  
that is separate from the digital receiver comprises the  
steps of a) transferring the data from the memory to an  
output device, and b) transferring the data from the output  
device to the computer that is separate from the digital  
receiver; and further wherein the input and the output  
devices are transceivers.

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1           35. The method of claim ~~32~~ wherein the step of  
2 acquiring the data from the digital receiver that receives  
3 the digital broadcast signal comprises the step of receiving  
4 the data at an input device from the digital receiver that  
5 receives the digital broadcast signal, and wherein the step  
6 of transferring the data from the memory to the computer  
7 that is separate from the digital receiver comprises the  
8 steps of a) transferring the data from the memory to an  
9 output device, and b) transferring the data from the output  
10 device to the computer that is separate from the digital  
11 receiver and further wherein the input and the output  
12 devices are data ports.

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